

## **NO<sub>2</sub> Air Quality Data Update 2006-2007 Design Values**

The following is a brief summary of EPA's 2007 air quality update for nitrogen dioxide (NO<sub>2</sub>) based on ambient monitoring data for the period 2006 through 2007.

During the period:

- The original one area designated nonattainment for the annual NO<sub>2</sub> NAAQS in 1990 met the NO<sub>2</sub> NAAQS in 2007.

EPA's National Ambient Air Quality Standard for nitrogen dioxide is the annual arithmetic mean concentration of 0.053 parts per million (ppm).

Air quality data from EPA's Air Quality System (AQS) were used to calculate the NO<sub>2</sub> design values. The data used for these calculations were obtained from AQS on July 8, 2008. As of August 26, 2008, no regulatory decisions on attainment status have been made for any area based on these specific calculations.

For information concerning these data, contact:

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**Table 1. Areas previously designated nonattainment for the Annual Mean Nitrogen Dioxide NAAQS, 2006-2007**

<u>Designated Area</u>	<u>State</u>	<u>EPA Region</u>	<u>Designation Status</u>	<u>2006-2007 Design Value (1)</u>	<u>Met NAAQS 2006-2007?</u>
Los Angeles South Coast Air Basin, CA	CA	9	Maintenance	0.031	Yes

1. The National Ambient Air Quality Standard for nitrogen dioxide is .053 parts per million (ppm) not to be exceeded during the year. The design value for the NO2 NAAQS is the highest annual average 1-hour concentration during the most recent two years.

Design values were calculated using days that are at least 75% complete.

No minimum detection limit/2 substitution was used.

Data that have been flagged for exceptional events, for which documentation has been submitted and approved by the EPA (AQS concurrence field set to 'Y'), were excluded from the design value calculations

SOURCE: U.S. EPA's Air Quality System (AQS) as of July 08, 2008.

**Table 2. Additional areas failing to meet the Annual Mean Nitrogen Dioxide NAAQS, 2006-2007**

<u>State</u>	<u>County</u>	<u>EPA Region</u>	<u>2006-2007 Design Value</u> <sup>(1)</sup>
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Notes:

1. There were no additional areas failing to meet the Annual Mean Nitrogen Dioxide NAAQS, 2006-2007.

SOURCE: U.S. EPA's Air Quality System (AQS) as of July 08, 2008.